

Preliminary



KEY FEATURES

- AMD Ryzen™ Embedded R-Series R2314
- 2 x 260-pin ECC/non-ECC SO-DIMM DDR4 2666 MHz, up to 64GB (32GB per DIMM)
- 2 x USB 3.2 Gen2, 1 x USB 2.0, 1 x M.2 Key B, 1 x M.2 Key E, 1 x M.2 Key M, 1 x COM
- 1 x Intel Gigabit LAN, 1 x Realtek Gigabit LAN, 1 x Realtek 2.5 Gigabit LAN with PoE+ function (optional)
- Supports Quad display, 4 x HDMI 2.0b
- TPM 2.0 onboard IC
- Optional supports out of band management through MPU-OOB card
- 1 x 19V/90W power adapter
- 182.2 x 175.2 x 25mm (7.1" x 6.9" x 1"), Fanned Barebone

SPECIFICATIONS

Processor System

CPU	AMD Ryzen™ Embedded R-Series (R2314, 4C, 2.1GHz, 12-35W)
BIOS	AMI SPI 64 Mbit

Memory

Technology	Dual Channel ECC/non-ECC DDR4 2666 MHz
Capacity	64 GB (32 GB per DIMM)
Socket	2 x 260-pin SO-DIMM

Graphics

Controller	AMD Radeon™ Graphics
HDMI	HDMI 2.0b Max resolution up to 7680x4320@60Hz
MultiDisplay	Quad Display

Expansion Slot

M.2	1 x M.2 (Key E, 2230) with PCIe Gen3 x1 and USB 2.0 for Wireless 1 x M.2 (Key B, 3042/3052) with PCIe Gen3 x1, USB 3.2 Gen1, USB 2.0 and SIM for 4G/5G
SIM Socket	1 x Socket connected to M.2 Key B

Audio

Interface	Realtek ALC256, High Definition Audio. Line-out, Mic-in
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Ethernet

Controller/ Speed	LAN1: Realtek® RTL8111H with 10/100/1000 Mbps LAN2: Intel® I210 with 10/100/1000 Mbps LAN3: Realtek® RTL8125BG with 10/100/1000/2500 Mbps, supports PoE+ (optional)
Connector	3 x RJ-45

Storage

M.2	1 x M.2 (Key M, 2242/2280) with PCIe Gen3 x4 for SSD
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Front I/O

Ethernet	2 x 1 Gigabit LAN
HDMI	4 x HDMI 2.0b
USB	2 x USB3.2 Gen2
HDD/WIFI LED	1
Power Button	1

Rear I/O

DC Jack	1
Ethernet	1 x 2.5 Gigabit LAN
Clear EDID Button	1
COM	1 x RS232 (RJ50)
USB	1 x USB 2.0
Audio	1 (Mic-in or Line-out)
SIM Socket	1

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 Segments, 0, 1, 2, ...255sec

Power Requirements

Input PWR	12V~19V DC-In Jack
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

Environment

Operating Temp	0°C ~ 40°C
Storage Temp	-40°C ~ 85°C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%

Mechanical

Mounting	VESA mount/Wall mount/Din Rail
Dimensions (L x W x H)	182.2 x 175.2 x 25 mm (7.1" x 6.9" x 1")
Weight	Net Weight: 0.75kg (1.65lbs)

Others

OS Support	Windows 10
OOB support	Optional: Out of band management through MPU-OOB card
TPM	TPM 2.0 onboard IC
Certifications	CE, FCC
Packing List	1 x 19V/90W Power Adapter 2 x Wall mount bracket